

RESULT 2

AAH29768/c

ID AAH29768 standard; DNA; 731 BP.

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AC AAH29768;

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DT 27-JUL-2001 (first entry)

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DE S cerevisiae apoptosis associated coding sequence YGL235W.

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KW Yeast; fungus; apoptosis; infection; proliferative disease; vaccine;

KW autoimmune disease; ischaemia; neurodegeneration; ds.

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OS Saccharomyces cerevisiae.

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PN WO200102550-A2.

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PD 11-JAN-2001.

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PF 03-JUL-2000; 2000WO-BE000077.

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PR 01-JUL-1999; 99EP-00870141.

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PA (JANC) JANSSEN PHARM NV.

XX

PI Contreras RH, De Backer MD, Luyten WHML, Malcorps IKL;

PI Nelissen BJM, Reekmans RJ;

XX

DR WPI; 2001-367042/38.

DR P-PSDB; AAG70732.

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PT Yeast and fungal nucleic acids encoding proteins involved in a pathway

PT leading to programmed cell death, useful for treating proliferative

PT disorders, yeast and fungal infections, or for preventing apoptosis in

PT certain diseases.

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PS Claim 1; Fig 1; 218pp; English.

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CC The present invention provides the protein and coding sequences of a

CC number of apoptosis associated proteins from the yeast Saccharomyces

CC cerevisiae and the fungus Candida albicans. These can be used to identify

CC treatments for fungal and yeast infections, for proliferative diseases

CC and for apoptosis related diseases such as autoimmune diseases, ischaemia

CC and neurodegeneration. The present sequence is one of the S. cerevisiae

CC coding sequences of the invention

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SQ Sequence 731 BP; 200 A; 147 C; 159 G; 225 T; 0 U; 0 Other;

Query Match 28.3%; Score 283.4; DB 4; Length 731;
Best Local Similarity 81.0%; Pred. No. 1.3e-60;
Matches 367; Conservative 0; Mismatches 81; Indels 5; Gaps 3;

Qy 551

TTAGCAATACGCTTCTGAACGAGGATCTATAGCAACTAAATTCAAGACATTCTG
CTACACC 610

A standard linear barcode is located at the bottom of the page, consisting of vertical black lines of varying widths on a white background.

Db 731 TTAACAATAAGCTTCTGTACGAGGGTCCAAATCTA--
AAATTCTGGATATTCTTTTGACC 674

Oy 611

AAAAATGGAAGTATCACAGGAACGGAAAAGGGTTTATAAGGCACCTCGGC
ACCCCTATA 670

A standard linear barcode is positioned horizontally across the page, consisting of vertical black lines of varying widths on a white background.

Dh 673

AAAAAAGGAAATGTCACAGGCACAGAAAAGGGTTTATAAGGCACCTCGGC
A-CCCTATA 615

Ov 671

ACTGGCATTCTCACATTGGCGCATACGAATAGACAAAGGCCAGAAAACA
ATACCTTC 730

A standard linear barcode is located at the bottom of the page, consisting of vertical black lines of varying widths on a white background.

Dh 614

ATTGGCATTCCCACATTCTGCGCATACGAATACACATGAGTGCCATAATACA
ATACTCCA 555

Ov 731

GCATACAGAACATCTATAAAGATGCATGCCTCGTTAAAAACAAGAACATCTTC
ATAGTGAT 790

111 798

Dh 554

D₅ 554
CATACGAAGTCTATGAAAGATGTATGATTCTGTTAGAAACAAAGAGCATCTCC
ATAGTGAT 495

Qy 791 CATGAAATTGTGTGAAAGATGAGATATGTA--
ATGCGTGAGGTACTAAATGAGGATATGT 848

III
Db 494

D₆ 494 AATGAGATTGTGTGAAAGATGAGATATGGAGGGATATGTGAGGTGCTAAATGA
CCATCTGT 435

Qy 849

TAACGAATCGTTAAGTGGTGATGACCAATGAAGGAATAGGTATAAATAGAG
ATACTTCA 908

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Db 434

TAACGAATCGTTAAGTAGTGATGACTGATAGAGGAACGGGTATAAATAGAG
CTGCTTCA 375

Qy 909

ACTATATGCCTTGAGAATATGTCTTATTCCCTCCCTGTTAAGCTTATA
TCAGCA 968

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Db 374

ACTGTATGCTTTGAGAATATCTTATTCTTCTTCTGTTAAGCTTATA
CCAGCA 315

Qy 969 CTAACAAACAAAACAAATACAATGGTCAAATT 1001

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Db 314 CTAAAAAACAAAACAAATACAATGGTCAAATT 282